

Comparisons of Job Characteristics

Focus Occupation: [Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic \(51-4072\)](#)

Associated Occupation: [Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic \(51-4193\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

| | |
|----|--|
| << | Focus occupation element is much lower |
| < | Focus occupation element is lower |
| 0 | Focus occupation element is at a similar level |
| > | Focus occupation element is at a higher level |
| >> | Focus occupation element is at a much higher level |

Knowledge

Similarity of Focus Occupation to Associated Occupation: 75

Focus Occupation: [Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic \(51-4072\)](#)

Associated Occupation: [Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic \(51-4193\)](#)

| Associated Occupation's Key Knowledge Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | Evaluation of Focus Occupation | |
|--|---------------------------------|--------------------------------|---------------------------|--------------------------------|---|
| Production and Processing | 6.0 | 11.6 | 10.1 | < | Expanded education and/or training may be required |
| Public Safety and Security | 6.9 | 10.4 | 3.2 | << | Extensive education and/or training may be required |
| Chemistry | 4.8 | 9.5 | 2.5 | << | Extensive education and/or training may be required |
| Mechanical | 6.8 | 7.8 | 8.1 | 0 | Current knowledge level may be sufficient |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 80

Focus Occupation: [Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic \(51-4072\)](#)

Associated Occupation: [Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic \(51-4193\)](#)

| Associated Occupation's Key Skills Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | Evaluation of Focus Occupation | |
|---|---------------------------------|--------------------------------|---------------------------|--------------------------------|--|
| Operation Monitoring | 6.6 | 9.3 | 11.4 | > | Skill level is likely sufficient |
| Equipment Maintenance | 3.5 | 5.7 | 7.4 | > | Skill level is likely sufficient |
| Repairing | 3.4 | 5.1 | 6.9 | >> | Skill level is likely more than sufficient |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 90

Focus Occupation: Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic (51-4072)

Associated Occupation: Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic (51-4193)

| Associated Occupation's Key Abilities Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | | Evaluation of Focus Occupation |
|--|---------------------------------|--------------------------------|---------------------------|----|--|
| Multilimb Coordination | 6.0 | 9.8 | 9.5 | 0 | Current ability level may be sufficient |
| Manual Dexterity | 6.5 | 9.7 | 10.1 | 0 | Current ability level may be sufficient |
| Control Precision | 6.6 | 9.6 | 9.7 | 0 | Current ability level may be sufficient |
| Auditory Attention | 5.9 | 8.3 | 9.7 | > | Current ability level is likely sufficient |
| Trunk Strength | 5.7 | 8.2 | 9.7 | > | Current ability level is likely sufficient |
| Static Strength | 5.0 | 8.0 | 10.5 | >> | Current ability level is likely more than sufficient |
| Stamina | 4.0 | 6.1 | 7.3 | > | Current ability level is likely sufficient |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 96

Focus Occupation: Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic (51-4072)

Associated Occupation: Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic (51-4193)

| Work Activities | Exclusivity of Activity |
|---|-------------------------|
| Adjust production equipment/machinery setup | 25 |
| Clean equipment or machinery | 20 |
| Examine products or work to verify conformance to specifications | 15 |
| Install equipment or attachments on machinery or related structures | 48 |
| Load or unload material or workpiece into machinery | 34 |
| Load, unload, or stack containers, materials, or products | 37 |
| Maintain or repair industrial or related equipment/machinery | 39 |
| Maintain production or work records | 19 |
| Measure, weigh, or count products or materials | 17 |
| Monitor production machinery/equipment operation to detect problems | 27 |
| Move or fit heavy objects | 8 |
| Operate hoist, winch, or hydraulic boom | 34 |
| Operate metal or plastic fabricating equipment/machinery | 54 |
| Perform safety inspections in manufacturing or industrial setting | 33 |
| Read specifications | 23 |
| Read work order, instructions, formulas, or processing charts | 9 |
| Set up production equipment or machinery | 51 |
| Understand technical operating, service or repair manuals | 6 |
| Use hand or power tools | 2 |

| | |
|--|----|
| Use precision measuring tools or equipment | 17 |
| Use spray application production equipment | 87 |

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

Focus Occupation: Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic (51-4072)

Associated Occupation: Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic (51-4193)

Tools and Technologies

Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.